

- Green design, No-load power < 0.5W
- Universal AC input
- Protections: Short circuit/overload/overvoltage  
Brown-out (Low AC input)
- Cooling by free air convection
- Power ON LED indicator
- Long life 105°C electrolytic capacitors
- High operating temperature up to 70°C
- 100% full load burn in test
- Withstand 5G vibration test
- External trim pot for output voltage adjustment
- Complies with EMI standards EN55022:2003 Class B
- High efficiency, long life, high reliability
- 24 month warranty

**SPECIFICATIONS** All specifications are typical at nominal input, full load and at 20°C unless otherwise stated.

ELECTRICAL	
Input	88 - 264VAC (50/60Hz) 125 - 373VDC
Input protection	Fuse
Inrush Current	30-40A (model dependent)
Input leakage current	< 2mA / 240VAC
Output protection	<b>Overload</b> >110% rated output power, Type: Hiccup mode, recovers automatically after fault is removed <b>Overvoltage:</b> 115-150% rated output volt- age, latch- off mode
Ripple & Noise	100mV - 200mV (model dependent)
Voltage Tolerance	± 3% to ±1% (model dependent)
Line Regulation	±0.5%
Load Regulation	± 2% to ±0.5% (model dependent)
Setup/ rise Time	800ms, 80ms/230VAC 1000ms, 80ms/115VAC
Hold Up Time	>32ms/230VAC, >10ms/ 115VAC full load
Isolation	1KV DC input - output / earth
Isolation Resistance	I/P - O/P, I/P - FG, O/P-FG: 100Mohms/ 500VDC

PHYSICAL	
Connections - In/Out	Screw terminals
Enclosure	Vented case
Indicators	LED power on
ENVIRONMENTAL	
Working Temperature	-20°C to 70°C refer to output load derating curve)
Working Humidity	20 - 90% RH non condensing
Temperature Coeff.	±0.03%/°C (0 - 50°C)
Vibration	10 - 500Hz, 5G10min/1cycle, period for 60min each along X,Y,Z axes

STANDARDS	
Safety	UL60950-1, 2nd edition, TUV EN60950-1:2006+A11 Approved
Green Energy	ENERGY STAR® Single Voltage External AC-DC and AC-AC Power Supplies Eligibility Criteria (Version 1.1)
EMI Conduction & Ra- diation	EN55022: 2003 Class B
Harmonic Current	EN61000-3-2:2000+A2:2005 Class A, EN61000-3-3:1995+A1:2001
EMS Immunity	EN61204-3:2000, EN55024:1998+A1:2001 +A2:2003 light industry level, criteria A

**NOTES**

1. Ripple and noise are measured at 20MHz of bandwidth by using a 12" twisted pair -wire terminated with a 0.1uF & 47uf parallel capacitor.
2. Tolerance: includes set up tolerance, line regulation and load regulation.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured from 0% to 100% rated load.
5. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
6. Length of setup time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the setup time.

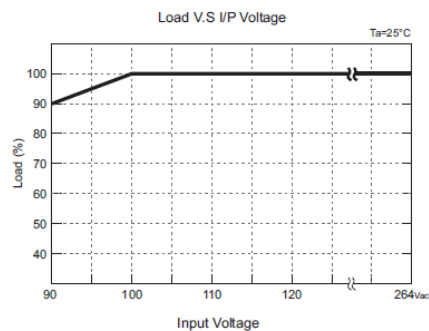
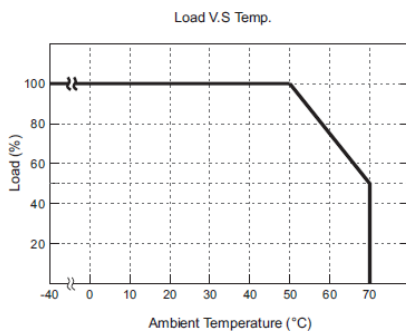
# 25-150 Watt AC/DC Power Supply for OEM use



## STANDARD MODEL TABLE

MODELS	Voltage	Amps	Voltage Range	Power W	Eff. $\eta$ %	Dimensions mm	Weight kg
IEGE-25-3.3	3.3	6	3-3.6	19.8	74	79x 51x 28	0.18
IEGE-25-05	5	5	4.5-5.5	25	83		
IEGE-25-12	12	2.1	10.8-13.2	25	85		
IEGE-25-15	15	1.7	13.5-16.5	25	86		
IEGE-25-24	24	1.1	21.6-26.4	26	87		
IEGE-25-48	48	0.57	43.2-52.8	27	88		
IEGE-35-3.3	3.3	7	3-3.6	23	78	99x 82x 35	0.28
IEGE-35-05	5	7	4.5-5.5	35	83		
IEGE-35-12	12	3	10.8-13.2	36	89		
IEGE-35-15	15	2.4	13.5-16.5	36	89		
IEGE-35-24	24	1.5	21.6-26.4	36	88		
IEGE-35-48	48	.8	43.2-52.8	38	90		
IEGE-50-3.3	3.3	10	3-3.6	33	78	99x 82x 35	0.28
IEGE-50-5	5	10	4.5-5.5	50	83		
IEGE-50-12	12	4.2	10.8-13.2	50	88		
IEGE-50-15	15	3.4	13.5-16.5	51	89		
IEGE-50-24	24	2.2	21.6-26.4	52	90		
IEGE-50-48	48	1.1	43.2-52.8	52	90		
IEGE-75-3.3	3.3	15	3-3.6	49	79	129x 98x 38	0.45
IEGE-75-5	5	15	4.5-5.5	75	83		
IEGE-75-12	12	6	10.8-13.2	75	87		
IEGE-75-15	15	5	13.5-16.5	75	87		
IEGE-75-24	24	3.2	21.6-26.4	76	88		
IEGE-75-48	48	1.6	43.2-52.8	76	90		
IEGE-100-3.3	3.3	20	3-3.6	66	79	129x 98x 38	0.45
IEGE-100-5	5	16	4.5-5.5	80	83		
IEGE-100-12	12	8.5	10.8-13.2	102	86		
IEGE-100-15	15	7	13.5-16.5	105	88		
IEGE-100-24	24	4.5	21.6-26.4	108	88		
IEGE-100-48	48	2.3	43.2-52.8	110	89		
IEGE-150-5	5	18	4.5-5.5	90	83	179x 98x 38	0.56
IEGE-150-12	12	12.5	10.8-13.2	150	88		
IEGE-150-15	15	10	13.5-16.5	150	89		
IEGE-150-24	24	6.5	21.6-26.4	156	90		
IEGE-150-48	48	3.3	43.2-52.8	158	90		

## DERATING CURVE



Due to constant improvements specifications are subject to change without prior notice.